

Appl. No. 10/099,663
Reply to Office action of June 1, 2006

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-182 (Canceled)

183. (New) An isolated nucleic acid comprising a gene expression controlling region comprising a nucleotide sequence having at least 95% identity to nucleotides 1115 to 1626 of SEQ ID NO: 1.

184. (New) The isolated nucleic acid of claim 183 wherein the gene expression controlling region comprises a nucleotide sequence having at least 99% identity to nucleotides 1115 to 1626 of SEQ ID NO: 1.

185. (New) The isolated nucleic acid of claim 183 wherein the gene expression controlling region comprises the sequence of nucleotides 1115 to 1626 of SEQ ID NO: 1.

186. (New) The isolated nucleic acid of claim 183 further comprising a nucleotide sequence encoding a polypeptide.

187. (New) The isolated nucleic acid of claim 186 wherein the nucleotide sequence encoding a polypeptide is codon optimized for protein expression in an avian.

188. (New) The isolated nucleic acid of claim 183 further comprising a polyadenylation signal sequence.

189. (New) The isolated nucleic acid of claim 188 wherein the polyadenylation signal sequence is an SV40 virus polyadenylation signal sequence.

Appl. No. 10/099,663
Reply to Office action of June 1, 2006

190. (New) The isolated nucleic acid of claim 183 further comprising a vector.
191. (New) The isolated nucleic acid of claim 190 wherein the vector is a virus.
192. (New) An expression vector comprising a gene expression controlling region comprising a nucleotide sequence having at least 95% identity to nucleotides 1115 to 1626 of SEQ ID NO: 1.
193. (New) The expression vector of claim 192 wherein the gene expression controlling region comprises a nucleotide sequence having at least 99% identity to nucleotides 1115 to 1626 of SEQ ID NO: 1.
194. (New) The expression vector of claim 192 wherein the gene expression controlling region comprises nucleotides 1115 to 1626 of the sequence of SEQ ID NO: 1.
195. (New) The expression vector of claim 192 wherein the expression vector further comprises a nucleotide sequence encoding a polypeptide.
196. (New) The expression vector of claim 195 wherein the nucleotide sequence encoding a polypeptide is codon optimized for protein expression in an avian.
197. (New) The expression vector of claim 192 further comprising an origin of replication.
198. (New) An isolated host eukaryotic cell containing an expression vector which includes a gene expression controlling region comprising a nucleotide sequence having at least 95% identity to nucleotides 1115 to 1626 of SEQ ID NO: 1.
199. (New) The host cell of claim 198 wherein the gene expression controlling region comprises a nucleotide sequence having at least 99% identity to nucleotides 1115 to 1626 of SEQ ID NO: 1.

Appl. No. 10/099,663
Reply to Office action of June 1, 2006

200. (New) The host cell of claim 198 wherein the gene expression controlling region comprises nucleotides 1115 to 1626 of the sequence of SEQ ID NO: 1.

201. (New) The host cell of claim 198 wherein the cell is an avian cell.

202. (New) The host cell of claim 198 wherein the cell is a chicken cell.

203. (New) The host cell of claim 198 wherein the expression vector further comprises a nucleotide sequence encoding a polypeptide.

204. (New) The host cell of claim 198 wherein the expression vector is a virus.

205. (New) A method of expressing a polypeptide in a host cell in culture comprising:
introducing into a host cell a nucleic acid comprising a gene expression controlling region comprising a nucleotide sequence having at least 95% identity to the nucleotide sequence of nucleotides 1115 to 1626 of SEQ ID NO: 1 operably linked to a nucleotide sequence encoding a polypeptide; and

maintaining the host cell under conditions suitable for expression of the polypeptide under the control of the gene expression control region.

206. (New) The method of claim 205 wherein the gene expression controlling region comprises a nucleotide sequence having at least 99% identity to nucleotides 1115 to 1626 of SEQ ID NO: 1.

207. (New) The method of claim 205 wherein the gene expression controlling region comprises nucleotides 1115 to 1626 of the sequence of SEQ ID NO: 1.

208. (New) The method of claim 205 wherein the nucleotide sequence encoding a polypeptide is codon optimized for protein expression in an avian.

Appl. No. 10/099,663
Reply to Office action of June 1, 2006

209. (New) The method of claim 205 wherein the nucleic acid further comprises a polyadenylation signal sequence.

210. (New) The method of claim 209 wherein the polyadenylation signal sequence is an SV40 virus polyadenylation signal sequence.

211. (New) The method of claim 205 wherein the nucleic acid molecule further comprises a vector.

212. (New) The method of claim 211 wherein the vector is a virus.

213. (New) The method of claim 202 wherein the nucleic acid further comprises an origin of replication.